10539265.trn

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LOGINID:SSSPTA1626GMS

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	MAY 01	New CAS web site launched
NEWS 3	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS 4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS 6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS 7	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS 8	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents
NEWS 9	JUN 27	CA/CAplus enhanced with pre-1967 CAS Registry Numbers
NEWS 10	JUN 29	STN Viewer now available
NEWS 11	JUN 29	STN Express, Version 8.2, now available
NEWS 12	JUL 02	LEMBASE coverage updated
NEWS 13	JUL 02	LMEDLINE coverage updated
NEWS 14	JUL 02	SCISEARCH enhanced with complete author names
NEWS 15	JUL 02	CHEMCATS accession numbers revised
NEWS 16	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 17	JUL 16	CAplus enhanced with French and German abstracts
NEWS 18	JUL 18	CA/CAplus patent coverage enhanced
NEWS 19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 20	JUL 30	USGENE now available on STN
NEWS 21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 22	AUG 06	BEILSTEIN updated with new compounds
NEWS 23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 24	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 25	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:00:32 ON 23 AUG 2007

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:00:54 ON 23 AUG 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 AUG 2007 HIGHEST RN 945451-07-0
DICTIONARY FILE UPDATES: 22 AUG 2007 HIGHEST RN 945451-07-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

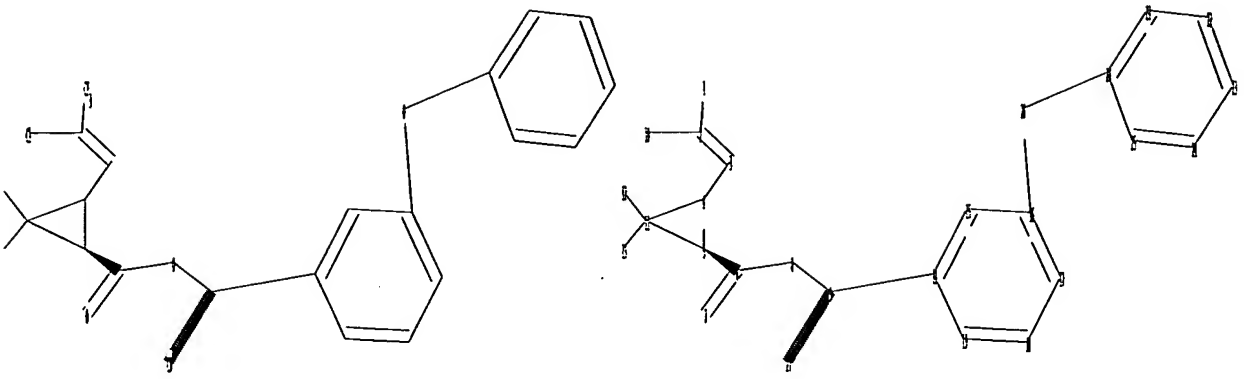
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10539265.str



chain nodes :
1 2 3 6 7 8 9 10 12 13 26 27
ring nodes :
4 5 11 14 15 16 17 18 19 20 21 22 23 24 25
chain bonds :
1-2 2-3 2-10 3-4 5-6 6-7 6-8 8-9 9-14 9-27 11-12 11-13 16-26 20-26
ring bonds :
4-5 4-11 5-11 14-15 14-19 15-16 16-17 17-18 18-19 20-21 20-25 21-22
22-23 23-24 24-25
exact/norm bonds :
6-7 6-8 8-9 16-26 20-26
exact bonds :
1-2 2-3 2-10 3-4 4-5 4-11 5-6 5-11 9-14 9-27 11-12 11-13
normalized bonds :
14-15 14-19 15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25
isolated ring systems :
containing 4 : 14 : 20 :

Match level :
1:CLASS 2:CLASS 3:CLASS 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:Atom 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS 27:CLASS

Stereo Bonds:

6-5 (Single Wedge).

Stereo Chiral Centers:

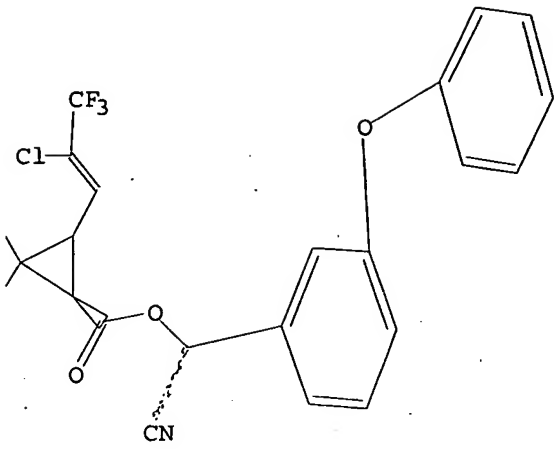
5 (Parity=Don't Care)

Stereo RSS Sets:

Type=Relative (Default). 1 Nodes= 5

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l1
SAMPLE SEARCH INITIATED 11:01:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       26 TO ITERATE

100.0% PROCESSED       26 ITERATIONS                                10 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          215 TO      825
PROJECTED ANSWERS:              11 TO      389

L2            10 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 11:01:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      594 TO ITERATE

100.0% PROCESSED      594 ITERATIONS                               167 ANSWERS
SEARCH TIME: 00.00.01

L3          167 SEA SSS FUL L1

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Uploading C:\Program Files\Stnexp\Queries\10539265a.str
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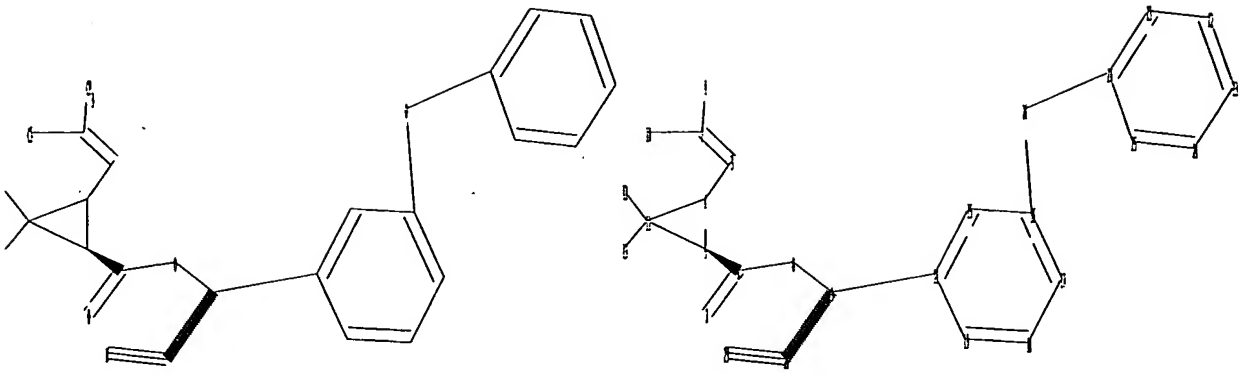


chain nodes :
1 2 3 6 7 8 9 10 12 13 26 28 29
ring nodes :
4 5 11 14 15 16 17 18 19 20 21 22 23 24 25
chain bonds :
1-2 2-3 2-10 3-4 5-6 6-7 6-8 8-9 9-14 9-28 11-12 11-13 16-26 20-26
28-29
ring bonds :
4-5 4-11 5-11 14-15 14-19 15-16 16-17 17-18 18-19 20-21 20-25 21-22
22-23 23-24 24-25
exact/norm bonds :
6-7 6-8 8-9 16-26 20-26 28-29
exact bonds :
1-2 2-3 2-10 3-4 4-5 4-11 5-6 5-11 9-14 9-28 11-12 11-13
normalized bonds :
14-15 14-19 15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25
isolated ring systems :
containing 4 : 14 : 20 :

Match level :
1:CLASS 2:CLASS 3:CLASS 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:Atom 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:CLASS 28:CLASS
29:CLASS

Stereo Bonds:

6-5 (Single Wedge).

Stereo Chiral Centers:

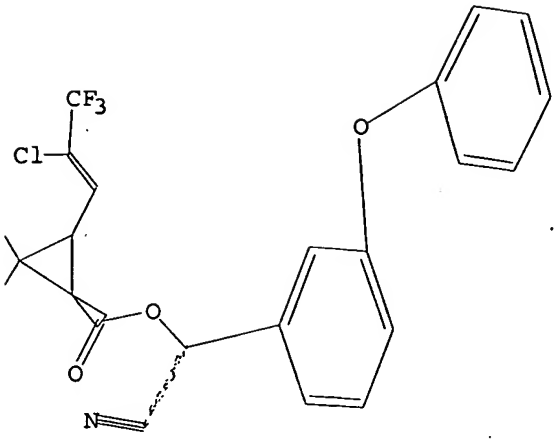
5 (Parity=Don't Care)

Stereo RSS Sets:

Type=Relative (Default). 1 Nodes= 5

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l4
SAMPLE SEARCH INITIATED 11:05:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       26 TO ITERATE

100.0% PROCESSED       26 ITERATIONS                          10 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          215 TO      825
PROJECTED ANSWERS:              11 TO      389

L5            10 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 11:05:14 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      594 TO ITERATE

100.0% PROCESSED      594 ITERATIONS                         167 ANSWERS
SEARCH TIME: 00.00.01

L6           167 SEA SSS FUL L4

=> FIL HCAPLUS
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             346.45     346.66

FILE 'HCAPLUS' ENTERED AT 11:05:20 ON 23 AUG 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 23 Aug 2007 VOL 147 ISS 9
FILE LAST UPDATED: 22 Aug 2007 (20070822/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l6
L7          1446 L6

=> s l7 and p/dt
         5833026 P/DT
L8           264 L7 AND P/DT

=> s l8 and py,=2002
'2002' NOT A VALID FIELD CODE
               0 PY,=2002
L9             0 L8 AND PY,=2002

=> s l8 and py<=2002
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L10          124 L8 AND PY<=2002

=> S L10 AND P/US
'US' IS NOT A VALID FIELD CODE
               0 P/US
L11            0 L10 AND P/US

=> S L10 AND US/PC
         1708951 US/PC
L12           71 L10 AND US/PC

=> S CYHALOTHRIN
L13         1527 CYHALOTHRIN

=> S L13 AND GAMMA
          859668 GAMMA
            4923 GAMMAS
          859849 GAMMA
                 (GAMMA OR GAMMAS)
L14          179 L13 AND GAMMA

=> S L14 AND PROCESS
         2477207 PROCESS
         1684924 PROCESSES
         3693085 PROCESS
                 (PROCESS OR PROCESSES)
L15            9 L14 AND PROCESS

=> S L12 AND L14
L16            3 L12 AND L14

=> d l15 ibib abs hitstr tot
```

L15 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:646618 HCAPLUS
DOCUMENT NUMBER: 147:54205
TITLE: Composition and process for preserving/coloring wood and wood product
INVENTOR(S): Zhang, Wenjin; Zhang, Jun
PATENT ASSIGNEE(S): Osmose, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 22pp., Cont.-in-part of U.S. Ser. No. 299,522.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2007131136	A1	20070614	US 2006-608508		20061208
US 2005249812	A1	20051110	US 2005-116152		20050427
US 2005265893	A1	20051201	US 2005-126839		20050511
US 2006147632	A1	20060706	US 2005-299522		20051212
PRIORITY APPLN. INFO.:			US 2004-565585P	P	20040427
			US 2004-570659P	P	20040513
			US 2005-116152	A2	20050427
			US 2005-126839	A2	20050511
			US 2005-299522	A2	20051212

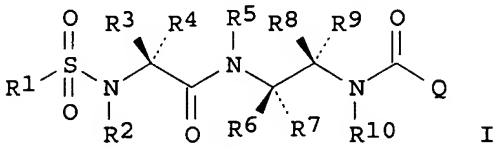
AB The title method comprises application of pigment dispersions, and optionally biocide dispersions, to wood such that the wood is impregnated. A composition for coloring and, optionally, preserving wood comprises dispersions of micronized pigment and, optionally, micronized biocide.

L15 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:387208 HCAPLUS
TITLE: Synthesis of (S)-cyano(3-phenoxyphenyl)methyl (1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethylcyclopropanecarboxylate-1-14C
AUTHOR(S): Johnson, Peter L.
CORPORATE SOURCE: Dow AgroSciences, Indianapolis, IN, 46268, USA
SOURCE: Journal of Labelled Compounds and Radiopharmaceuticals (2007), 50(1), 47-53
CODEN: JLCRD4; ISSN: 0362-4803
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB γ -Cyhalothrin (1a), (S)-cyano(3-phenoxyphenyl)methyl (1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethylcyclopropanecarboxylate, is a single-isomer, synthetic pyrethroid insecticide marketed by Pytech Chems. GmbH, a joint venture between Dow AgroSciences and Cheminova A/S. As a part of the registration process there was a need to incorporate a carbon-14 label into the cyclopropyl ring of this mol. A high yielding radiochem. synthesis of gamma.-cyhalothrin was developed from readily available carbon-14 labeled N-t-Boc protected glycine. This seven step synthesis, followed by a preparative normal phase HPLC separation of diastereomers, provided 21.8 mCi of γ -cyhalothrin-1-14C (1b) with >98% radiochem. purity.
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:1147605 HCAPLUS
DOCUMENT NUMBER: 145:471370
TITLE: Preparation of sulfonamido group-containing diamine compounds, their use as agrochemical fungicides, and pesticide compositions containing them and other fungicides/insecticides
INVENTOR(S): Kobayashi, Yumi; Kakimoto, Takeshi; Chiba, Yutaka; Tomura, Naofumi; Araki, Natsuko; Yoshida, Masako
PATENT ASSIGNEE(S): Mitsui Chemicals Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 40pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006298785	A	20061102	JP 2005-119275	20050418

PRIORITY APPLN. INFO.: JP 2005-119275 20050418
OTHER SOURCE(S): MARPAT 145:471370
GI



I

AB The compds. I (R1 = C1-6 alkyl, C3-6 cycloalkyl, C2-6 alkenyl, C3-6 cycloalkenyl, C2-6 alkynyl, aryl, heterocyclyl, aryl-C1-6 alkyl, etc.; R2, R5, R10 = H, C1-6 alkyl, C3-6 cycloalkyl, acyl, aryl, heterocyclyl, etc.; R3, R4, R6-R9 = H, any group given for R1; R3R4, R6R7, R8R9 may be bonded to form a C3-6 hydrocarbon ring; Q = aryl, heterocyclyl) show broad-spectrum antifungal activity against pathogens of crops. Also claimed are processes for preparation of I, fungicides, especially agrochem. fungicides, containing I, and pesticide compns. containing I and the other fungicides and/or insecticides. Thus, a CH2Cl2 solution of N-[1-(S)-[[(benzofuran-2-carbonyl)amino]methyl]-2-methylpropyl]-3-methyl-2-(S)-aminobutyramide (preparation given) was treated with Et3N and BuSO2Cl under stirring at room temperature for 5 h and let stand overnight to give 40% N-[1-(S)-[[(benzofuran-2-carbonyl)amino]methyl]-2-methylpropyl]-3-methyl-2-(Sicides and pesticide compns)-[(butanesulfonyl)amino]butyramide, which showed ≥95% inhibition on hyphal extension of Pythium aphanidermatum.

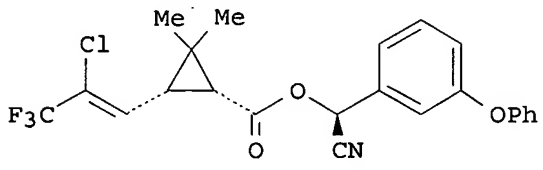
L15 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:351782 HCAPLUS
DOCUMENT NUMBER: 143:223946
TITLE: Vantex: Effect on biochemical processes in myocardium
AUTHOR(S): Anon.
CORPORATE SOURCE: Russia
SOURCE: Toksikologicheskii Vestnik (2005), (1), 49-50
CODEN: TOVEFN; ISSN: 0869-7922
PUBLISHER: Rossiiskii Registr Potentsial'no Opasnykh

Khimicheskikh i Biologicheskikh Veshchestv
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB New pesticide vantex disrupted carbohydrate and energy metabolism as reflected by its effect on lactate dehydrogenase, pyruvic and lactic acids, ADP, AMP and ATP in serum and myocardium of rats.

L15 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:718504 HCAPLUS
DOCUMENT NUMBER: 141:243704
TITLE: Process for preparing gamma-cyhalothrin
INVENTOR(S): Brown, Stephen Martin; Gott, Brian David
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004074237	A1	20040902	WO 2004-GB726	20040223
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2512429	A1	20040902	CA 2004-2512429	20040223
EP 1599442	A1	20051130	EP 2004-713588	20040223
EP 1599442	B1	20070808		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2004007774	A	20060214	BR 2004-7774	20040223
CN 1738792	A	20060222	CN 2004-80002246	20040223
JP 2006518729	T	20060817	JP 2006-502318	20040223
US 2006148892	A1	20060706	US 2005-546138	20050819
IN 2005CN02002	A	20070727	IN 2005-CN2002	20050823
PRIORITY APPLN. INFO.:			GB 2003-4132 A	20030224
			WO 2004-GB726 W	20040223

OTHER SOURCE(S): CASREACT 141:243704
GI



I

AB A process for the preparation of gamma-cyhalothrin (I) comprising steps of (a) chlorinating (1R)-cis-(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid to give (1R)-cis-(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid chloride and (b) esterifying (1R)-cis-(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid chloride with the (S)-cyanohydrin of 3-phenoxybenzaldehyde.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:550933 HCAPLUS
DOCUMENT NUMBER: 141:106633
TITLE: Production process for the preparation of gamma-cyhalothrin
INVENTOR(S): Brown, Stephen Martin; Gott, Brian David
PATENT ASSIGNEE(S): Syngental Limited, UK
SOURCE: PCT Int. Appl., 13 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056752	A1	20040708	WO 2003-GB5450	20031209
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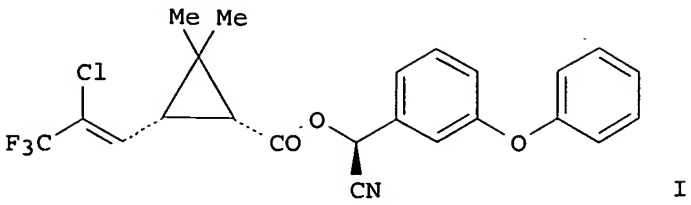
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2510272	A1	20040708	CA 2003-2510272	20031209
AU 2003295110	A1	20040714	AU 2003-295110	20031209
EP 1578720	A1	20050928	EP 2003-786111	20031209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017454	A	20051116	BR 2003-17454	20031209
CN 1729161	A	20060201	CN 2003-80106869	20031209
JP 2006510704	T	20060330	JP 2004-561617	20031209
US 2006100457	A1	20060511	US 2005-539265	20050616
IN 2005CN01308	A	20070615	IN 2005-CN1308	20050617

PRIORITY APPLN. INFO.: GB 2002-29803 A 20021220
WO 2003-GB5450 W 20031209

OTHER SOURCE(S): CASREACT 141:106633
GI



I

AB A process was disclosed for the preparation of gamma-cyhalothrin (I) which comprised converting (1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethylcyclopropanecarboxylic acid to its acid chloride, esterifying the acid chloride with 3-phenoxy benzaldehyde in the presence of a source of cyanide to form a diastereoisomeric mixture of cyhalothrin isomers, and epimerization of the diastereoisomeric mixture under conditions in which the least soluble diastereoisomer crystallizes from solution

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:531469 HCAPLUS
DOCUMENT NUMBER: 141:139287
TITLE: Study on analytical quality assurance of pesticide residues by gas chromatography-mass spectrometry
AUTHOR(S): Qin, Shu; Qiao, Xiong-wu; Zhu, Jiu-sheng; Wang, Jing
CORPORATE SOURCE: Shanxi Key Laboratory of Pesticide Science & Institute of Plant Protection, Shanxi Academy of Agricultural Sciences, Taiyuan, 030031, Peop. Rep. China
SOURCE: Zhipu Xuebao (2003), 24(4), 505-508
CODEN: ZXHUBO; ISSN: 1004-2997
PUBLISHER: Yuanzineng Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

AB Based on the data collected by participating in Pesticide Residue Anal. Quality Assurance Study on Food Safety Program organized by WHO, the fitness of gas chromatog. mass spectrometry techniques in confirmation process of pesticide residue anal. and its limitation was discussed. Suggestions were given to the application of GC/MS techniques for pesticide residue confirmation under lacking conditions to overcome tech. and cost barriers through skilled sample preparation and chromatog. separation using capillary and packed columns.

L15 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:511276 HCAPLUS
DOCUMENT NUMBER: 139:85510
TITLE: A process for the production of 1R pyrethroid esters via resolution of cyclopropanecarboxylic acids
INVENTOR(S): Brown, Stephen Martin; Gott, Brian David
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003053905	A1	20030703	WO 2002-GB5467	20021204
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002366752	A1	20030709	AU 2002-366752	20021204
PRIORITY APPLN. INFO.:			GB 2001-30517	A 20011220
			WO 2002-GB5467	W 20021204

OTHER SOURCE(S): CASREACT 139:85510; MARPAT 139:85510
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB A process for the production of 1R pyrethroid esters I [A, B = chlorine or bromine or one of A or B is chlorine and the other is trifluoromethyl; R = a pyrethroid alc. fragment] or II, which process comprises (a) resolving pyrethroid acids III where A and B are as defined above to give a substantially pure 1R cis enantiomer, (b) recovering the 1S cis enantiomer, (c) optionally converting the 1S cis enantiomer acid to a 1S cis enantiomer anhydride, acid chloride or pyrethroid ester containing the group R where R is a pyrethroid alc. fragment; (d) converting the 1S cis enantiomer from step b or step c to the 1R trans isomer; (e) optionally purifying the 1R trans isomer from step d and recycle of the unconverted 1S cis isomer back to step c or d, (f) converting the 1R cis isomer of the acid from step a into corresponding 1R cis isomers of the pyrethroid esters alone, or together with the product of step d or e where the product of step d or e is not already a pyrethroid ester containing the group R. Thus, (1R)-trans-tefluthrin (IV) was prepared from (±)-cis-(Z)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid, via enantiomer resolution with (R)-(+)-α-methylbenzylamine to give the (1S)-cis-isomer, chlorination with SOCl2 in the presence of Et3N, thermal isomerization to the (1R)-trans-acid, chlorination with SOCl2 and esterification with 2,3,5,6-tetrafluoro-4-methylbenzyl alc. The pesticidal and insecticidal activity of IV was determined [LC50 = 1.8 & LC90 = 4.6 vs. Heliothis virescens; LC50 = 14.285 (resistance factor 35) vs. Plutella xylostella].

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1992:57723 HCAPLUS
DOCUMENT NUMBER: 116:57723
TITLE: Extraction of pesticide residues in tea by water during the infusion process
AUTHOR(S): Wan, H.; Xia, H.; Chen, Z.
CORPORATE SOURCE: Tea Res. Inst., Chin. Acad. Agric. Sci., Hangzhou, Peop. Rep. China
SOURCE: Food Additives and Contaminants (1991), 8(4), 497-500

CODEN: FACOEB; ISSN: 0265-203X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The extract rate of pesticide residues in water during the infusion process is dependent on the water solubility The extraction of pesticide residues by boiling water can be regarded as a reversible equilibrium between adsorption and dissoln. The influence of chemical degradation is not important.
When the water solubility is <5 mg/kg, the extraction rate is 1-4%. Within the water solubility range of 10-150 mg/kg the extraction rate (Ri) is very sensitive to
the water solubility (S); the relationship can be described as Ri = 59.81log S - 42.5. When water solubility is >170 mg/kg, the extraction rate is 90-100%. Residues in leaves, time after application, and extraction rates are tabulated for cypermethrin, quinalphos, fenitrothion, and dimethoate. Water solubility and extraction rates are given for 8 pesticides.

=> d l16 ibib abs hitstr tot

L16 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:449429 HCAPLUS
DOCUMENT NUMBER: 137:29425
TITLE: Microemulsifiable hydrophobic agrochemical compositions containing polymers
INVENTOR(S): Fowler, Jeffrey Bruce
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.; Douglass, Andrew
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 2002045507	A2	20020613	WO 2001-EP14121	20011203	<--
WO 2002045507	A3	20021212			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
CA 2436834	A1	20020613	CA 2001-2436834	20011203	<--
AU 200216067	A	20020618	AU 2002-16067	20011203	<--
BR 2001015918	A	20030916	BR 2001-15918	20011203	
EP 1347681	A2	20031001	EP 2001-999284	20011203	
EP 1347681	B1	20060222			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
JP 2004523491	T	20040805	JP 2002-547307	20011203	
AT 318077	T	20060315	AT 2001-999284	20011203	
ES 2258570	T3	20060901	ES 2001-1999284	20011203	
ZA 2003004196	A	20040830	ZA 2003-4196	20030529	
US 2005043182	A1	20050224	US 2003-432458	20031110	<--
HK 1061775	A1	20070413	HK 2004-104844	20040706	

PRIORITY APPLN. INFO.: US 2000-251189P P 20001204
WO 2001-EP14121 W 20011203

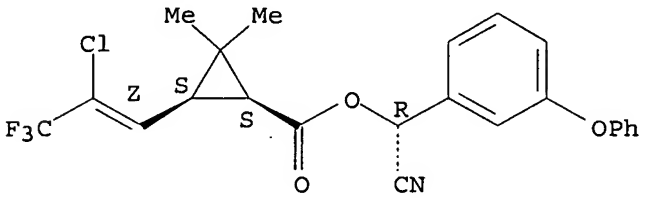
AB The compns. are provided which are a combination of (A) an alkyl alkanoate with (B) a polyhydric alc., a polyhydric alc. condensate or a mixture thereof and (C) at least one surfactant; the novel compns. are storage stable, easy to apply, ecol. and toxicol. favorable and, upon dilution with water, are useful as plant treatment compns. that have good biol. efficacy in the target application.

IT 91465-08-6
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(in micro-emulsifiable hydrophobic agrochem. compns.)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

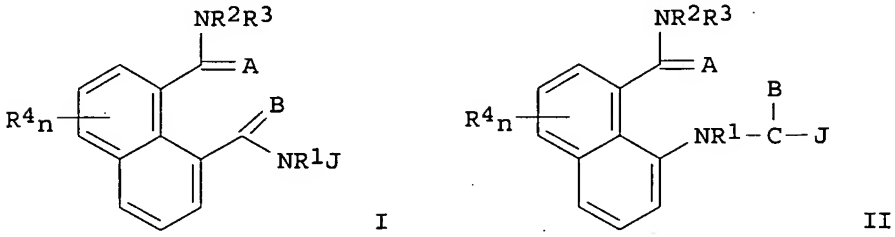


L16 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:314898 HCAPLUS
DOCUMENT NUMBER: 136:320814
TITLE: Insecticidal 1,8-naphthalenedicarboxamides and their preparation, use, and compositions
INVENTOR(S): Selby, Thomas Paul; Sun, King-Mo
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA
SOURCE: PCT Int. Appl., 110 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002032856	A2	20020425	WO 2001-US42632	20011011 <--
WO 2002032856	A3	20020704		
WO 2002032856	A9	20040408		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002030401	A5	20020429	AU 2002-30401	20011011 <--

EP 1326827	A2	20030716	EP 2001-987739		20011011	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR						
JP 2004511538	T	20040415	JP 2002-536040		20011011	
BR 2001007384	A	20020924	BR 2001-7384		20020924	<--
US 2004053786	A1	20040318	US 2003-398638		20030404	<--
PRIORITY APPLN. INFO.:			US 2000-240890P	P	20001017	
			US 2001-323833P	P	20010921	
			WO 2001-US42632	W	20011011	

OTHER SOURCE(S): MARPAT 136:320814
GI



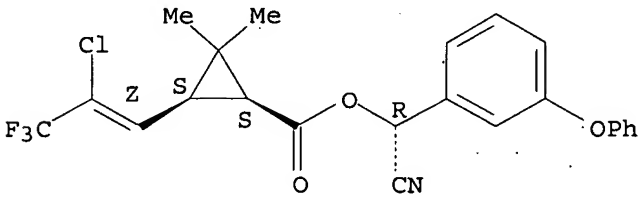
AB Compds. I and II (Markush included) are prepared as insecticides. The compds. I and II and their N-oxides and agriculturally suitable salts are useful for controlling invertebrate pests in compns. comprising at least one of a surfactant, a solid diluent or a liquid diluent, and, optionally, at least one addnl. biol. active compound or agent selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones, γ -aminobutyric acid (GABA) antagonist,s insecticidal urea,s and juvenile hormone mimics.

IT 91465-08-6
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(in compns. with insecticidal 1,8-naphthalenedicarboxamides)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L16 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:597744 HCAPLUS
DOCUMENT NUMBER: 135:163629
TITLE: Insecticide-impregnated fabric

INVENTOR(S): Mount, Dwight L.; Green, Michael D.
PATENT ASSIGNEE(S): United States of America, Department of Health and Human Services, USA
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001058261	A2	20010816	WO 2001-US40092	20010212 <--
WO 2001058261	A3	20020307		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2398623	A1	20010816	CA 2001-2398623	20010212 <--
AU 2001049983	A5	20010820	AU 2001-49983	20010212 <--
EP 1257171	A2	20021120	EP 2001-923274	20010212 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003003126	A1	20030102	US 2002-168666	20020624 <--
US 6896892	B2	20050524		

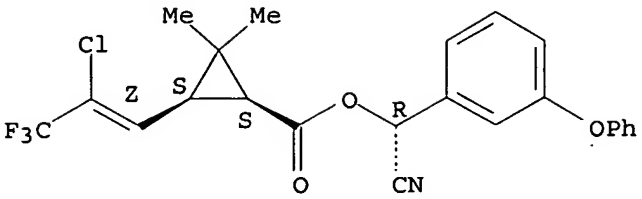
PRIORITY APPLN. INFO.: US 2000-181770P P 20000211
WO 2001-US40092 W 20010212

AB An insecticide-impregnated fabric that remains sufficiently effective at killing and repelling disease-vector insects after repeated washings with detergent and water, is described. The fabric is impregnated with an insecticide composition containing a pyrethroid, in form of a cyclodextrin inclusion complex, and a binding agent, preferably poly(vinyl acetate). The resulting fabric is useful for providing personal protection against disease-carrying insect vectors, particularly when assembled as a bed net in regions of the world where malaria is prevalent, and will remain effective for a longer period of time before reimpregnation is necessary.

IT 91465-08-6D, λ- Cyhalothrin, cyclodextrin inclusion complex
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(insecticide-impregnated fabric)

RN 91465-08-6 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



=> d l12 ibib abs hitstr 1-10

L12 ANSWER 1 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:581919 HCAPLUS
DOCUMENT NUMBER: 145:41550
TITLE: Sustained-release insecticidal barrier for structures
INVENTOR(S): Van Voris, Peter; Cataldo, Dominic A.; Lipinsky, Edward S.
PATENT ASSIGNEE(S): Termiguard, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 12 pp., Cont.-in-part of U.S. Ser. No. 698,722.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006127435	A1	20060615	US 2006-344374	20060130 <--
US 6322803	B1	20011127	US 1999-347704	19990703 <--
US 2002086044	A1	20020704	US 2001-993611	20011127 <--
US 7056522	B2	20060606		

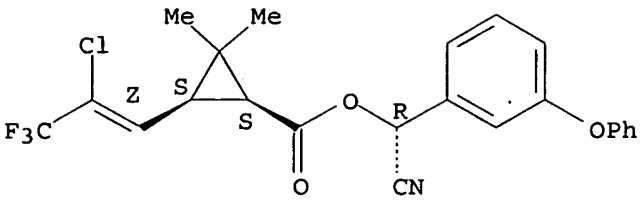
PRIORITY APPLN. INFO.: US 1999-347704 A2 19990703
US 2001-993611 A2 20011127
US 2003-698722 A2 20031031

AB A method for applying a barrier to a structure to prevent the infiltration of pest species includes providing a composition and associating the coating composition with the structure. The composition is formed from a polymer component having dispersed therein beads formed from colloidal clay and adsorbed insecticide. Colloidal clays (e.g., nano-clays) adsorb more pest control agent that do standard clays and release the adsorbed pest control agent at a slower rate than do standard clays.

IT 91465-08-6
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(sustained-release insecticidal barrier for structures)

RN 91465-08-6 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 2 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:836479 HCAPLUS
DOCUMENT NUMBER: 141:327133
TITLE: Multilayer barriers containing insecticides for protecting wooden structures
INVENTOR(S): Van Voris, Peter; Cataldo, Dominic A.; Burton, Frederick G.
PATENT ASSIGNEE(S): Battelle Memorial Institute, USA
SOURCE: U.S., 21 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6803051	B1	20041012	US 1999-353494	19990713 <--
US 2002192259	A1	20021219	US 2001-5804	20011203 <--
US 2004247636	A1	20041209	US 2004-884297	20040702 <--
US 2004247637	A1	20041209	US 2004-889706	20040713 <--

PRIORITY APPLN. INFO.:

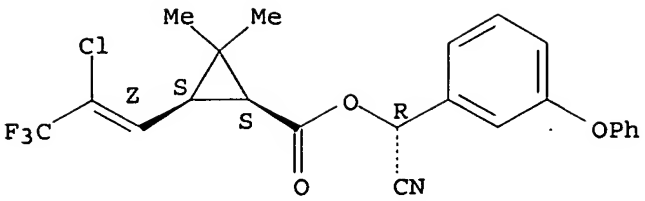
US 1998-30690	A1	19980225
US 1999-353494	A2	19990713
US 2000-251112P	P	20001203
US 2000-251141P	P	20001204

AB For the long-term protection of wooden structures, intrusion of boring insects is prevented by using a multilayer barrier comprising a first layer which consists of a first polymer, a liquid pesticide, and a carrier and a second, adjacent layer of a second polymer such that the pesticide is released from the barrier at a rate of <0.4 μg/cm2/day. The first polymer may be selected from the group consisting of polyurethane, high-d. polyethylene, polypropylene, etc. Among the pesticides that may be used are permethrin and lambda-cyhalothrin, and the carrier may be carbon black.

IT 91465-08-6
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(multilayer polymer barriers containing insecticides for protecting wooden structures)

RN 91465-08-6 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:964915 HCAPLUS
DOCUMENT NUMBER: 138:12164
TITLE: Barrier preventing wood pest access to wooden structures
INVENTOR(S): Van Voris, Peter; Cataldo, Dominic A.; Burton, Frederick G.; Leong, Henry; Stonich, Derek; Lin, K. C.; McClellan, William D.; Bowdle, Kurt W.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 33 pp., Cont.-in-part of U.S. Ser. No. 353,494.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

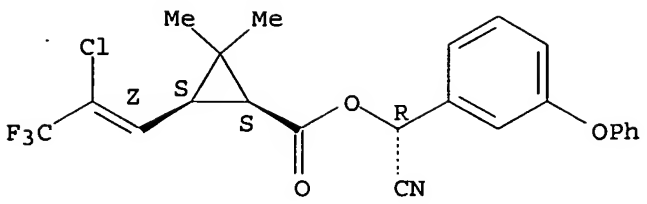
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002192259	A1	20021219	US 2001-5804	20011203 <--
US 5985304	A	19991116	US 1998-30690	19980225 <--
US 6803051	B1	20041012	US 1999-353494	19990713 <--
PRIORITY APPLN. INFO.:			US 1998-30690 A1	19980225
			US 1999-353494 A2	19990713
			US 2000-251112P P	20001203
			US 2000-251141P P	20001204

AB A multi-layer wood pest barrier having a prolonged lifetime is given. The lifetime can be as long as the life of a building or structure to be protected. The lifetime protection is achieved by binding at least one pesticide within a continuous or discontinuous polymer matrix layer thereby reducing release of the pesticide from the matrix. The release rate of the pesticide from the matrix can be controlled by the use of a carrier such as carbon black. The release of the pesticide from the barrier can be further controlled by inclusion of addnl. layers which can make the barrier nonreleasing.

IT 91465-08-6
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(in barrier preventing wood pest access to wooden structures)

RN 91465-08-6 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 4 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:964247 HCAPLUS
DOCUMENT NUMBER: 138:39741
TITLE: Use of reactive polymeric surfactants in the formation of emulsions
INVENTOR(S): Heming, Alexander Mark; Mulqueen, Patrick Joseph; Scher, Herbert Benson; Shirley, Ian Malcolm
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100525	A2	20021219	WO 2002-GB2744	20020610 <--
WO 2002100525	A3	20030731		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2447759	A1	20021219	CA 2002-2447759	20020610 <--
AU 2002314315	A1	20021223	AU 2002-314315	20020610 <--
NZ 529669	A	20031219	NZ 2002-529669	20020610
EP 1401562	A2	20040331	EP 2002-740885	20020610
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002010302	A	20040713	BR 2002-10302	20020610
CN 1541136	A	20041027	CN 2002-815689	20020610
JP 2004537610	T	20041216	JP 2003-503338	20020610
ZA 2003009057	A	20040917	ZA 2003-9057	20031120
IN 2003MN01063	A	20050429	IN 2003-MN1063	20031120
MX 2003PA11379	A	20040405	MX 2003-PA11379	20031209
US 2004197357	A1	20041007	US 2004-480405	20040527 <--
US 7199185	B2	20070403		

PRIORITY APPLN. INFO.: GB 2001-14197 A 20010611
WO 2002-GB2744 W 20020610

AB The emulsions comprise a liquid continuous phase, a liquid discontinuous phase, and a polymer surfactant having hydrophilic and hydrophobic components as stabilizer; upon interfacial polymerization, microcapsules are formed that contain an active agent, e.g., agrochem. active agents. The monomers are selected from vinyl, (meth)acrylates, alkylene glycols, and

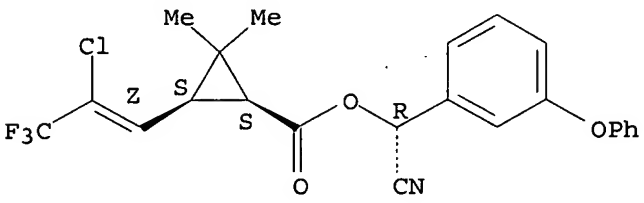
contain reactive groups, e.g., sulfonate, carboxy, carboxybetaine, quaternary ammonium, epoxide, carbodiimide, aziridine, etc. The surfactants are random graft polymers or block copolymers in which the hydrophobic unit includes a hydrophilic crosslinking unit which reacts with a wall forming ingredient in a microencapsulation process, or an ingredient in the disperse phase of an emulsion. A reactive polymer surfactant was prepared by ATRP [atom transfer radical polymerization] of Me methacrylate, 2-hydroxyethyl methacrylate, 2-(trimethylammonium)ethyl methacrylate iodide, and mono-methoxy-poly(ethylene glycol)-mono methacrylate using ethyl-2-bromoisobutyrate as initiator, CuCl catalyst and N-propyl-2-pyridylmethanimine catalyst ligand, at 25-90° for 3-24 h.

IT 91465-08-6, λ-Cyhalothrin
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(internal phase; preparation of reactive polymeric surfactant emulsifier encapsulants for agrochem. agents)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 5 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:902177 HCAPLUS
DOCUMENT NUMBER: 137:381260
TITLE: Variable release pesticidal microcapsules
INVENTOR(S): Shirley, Ian Malcolm; Van Koppenhagen, Juanita Elena; Scher, Herbert Benson; Follows, Richard; Wade, Philip; Earley, Fergus Gerard Paul; Shirley, Dianne Beth
PATENT ASSIGNEE(S): Syngenta Ltd., UK
SOURCE: U.S., 16 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6485736	B1	20021126	US 2000-656718	20000907 <--
PRIORITY APPLN. INFO.:			US 2000-656718	20000907

AB Microcapsules capable of a variable rate of release of a liquid core material, which is substantially insol. in water, comprise one or more pesticides as the core material encapsulated within a solid permeable shell of a polymer resin comprising one or more disulfide linkages, wherein the liquid core material is gradually released by diffusion through the solid permeable shell in a first environment that does not cleave the

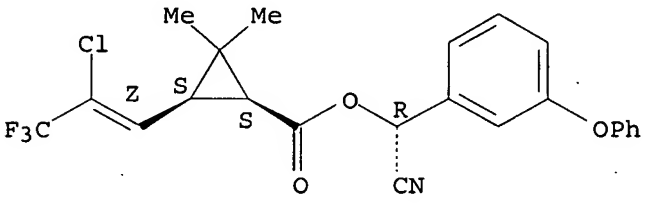
disulfide linkages; and wherein the liquid core material is quickly released in a second environment that cleaves the disulfide linkages (e.g., when the microcapsule is ingested by a harmful insect) . The median particle size of the microcapsule is from 8.0 μm to 13.6 μm.

IT 91465-08-6
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(preparation of variable release pesticidal microcapsules containing)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 6 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:868829 HCAPLUS
DOCUMENT NUMBER: 137:354591
TITLE: Carrier composition of fungicides and insecticides for protective treatment of wood
INVENTOR(S): Rodriguez Ramos, Rafael
PATENT ASSIGNEE(S): Spain
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Spanish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002090068	A1	20021114	WO 2001-ES175	20010507 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001256367	A1	20021118	AU 2001-256367	20010507 <--
CA 2414274	A1	20030103	CA 2001-2414274	20010507
SI 21088	A	20030630	SI 2001-20039	20010507
BR 2001012150	A	20030701	BR 2001-12150	20010507
HU 200301886	A2	20030929	HU 2003-1886	20010507
EP 1391278	A1	20040225	EP 2001-929660	20010507

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

EE 200300014	A	20041015	EE 2003-14		20010507
NZ 524250	A	20051028	NZ 2001-524250		20010507
NO 2002006272	A	20030219	NO 2002-6272		20021230
BG 107440	A	20030930	BG 2003-107440		20030106
ZA 2003000127	A	20040213	ZA 2003-127		20030106
HR 2003000076	A1	20030430	HR 2003-76		20030206
US 2003162781	A1	20030828	US 2003-371740		20030221 <--
US 6673836	B2	20040106			
LT 5125	B	20040426	LT 2003-19		20030304
MX 2003PA02776	A	20030728	MX 2003-PA2776		20030328
PRIORITY APPLN. INFO.:			WO 2001-ES175	W	20010507

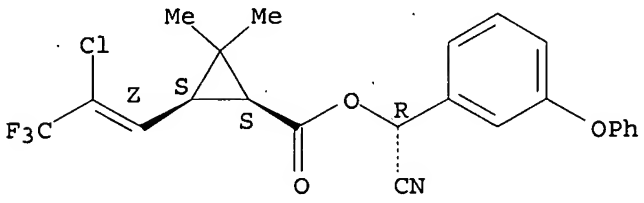
AB The carrier comprises toluene (40-70%), xylene (6-40%), benzophenone (3-18%), butylglycol (2-9%), cetyl acetate (1-7%) and methanol (0.3-4%) and insecticides and fungicides. The insecticides and fungicides are selected from Chlorpyrifos, Fipronil, Silafluofen, Acetamiprid, Etofenprox, tri-Pr isocyanate, Fenobucarb, Hexaflumuron, Fenitrothion, Esfenvalerate, Imidacloprid, Diflubenzuron, λ-cyhalothrin, Propioconazole, and mixts.

IT 91465-08-6, λ-Cyhalothrin
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(carrier and efficacy of fungicide and insecticide composition for protective treatment of woods)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:736579 HCAPLUS
DOCUMENT NUMBER: 137:228099
TITLE: Polymeric film coatings for seed treatment for controlled release of pesticides
INVENTOR(S): Ding, Yiwei; Asrar, Jawed
PATENT ASSIGNEE(S): Monsanto Technology LLC, USA
SOURCE: U.S. Pat. Appl. Publ., 15 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

US 2002134012	A1	20020926	US 2002-79000	20020218 <--
WO 2002080675	A1	20021017	WO 2002-US4699	20020219 <--
WO 2002080675	A9	20040506		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002255560	A1	20021021	AU 2002-255560	20020219 <--
EP 1370136	A1	20031217	EP 2002-724961	20020219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002008147	A	20040302	BR 2002-8147	20020219
CN 1498075	A	20040519	CN 2002-807077	20020219
ZA 2003006329	A	20040903	ZA 2003-6329	20030814
MX 2003PA08486	A	20040914	MX 2003-PA8486	20030919
IN 2003CN01484	A	20051125	IN 2003-CN1484	20030919
US 2005197251	A1	20050908	US 2005-109131	20050419 <--
PRIORITY APPLN. INFO.:			US 2001-277503P P	20010321
			US 2002-79000 A1	20020218
			WO 2002-US4699 W	20020219

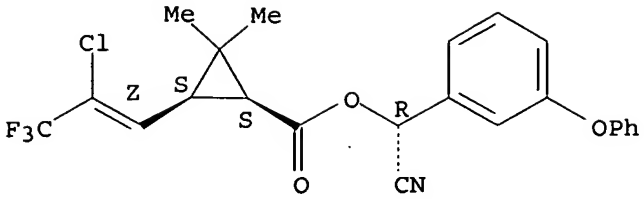
AB A method of controlling the release rate of an agricultural active ingredient, such as pesticide, from a seed that has been treated with that active includes providing a seed that has been treated with the active ingredient, applying to the treated seed a film that includes an emulsion of a polymer in a liquid in which both the agricultural active ingredient and the polymer have low levels of solubility, and then curing the film to form a water insol. polymer coating on the surface of the treated seed. The agricultural active ingredient is a pesticide selected from the group consisting of herbicides, insecticides, acaricides, fungicides, nematocides, and bactericides. The seed is the seed of a plant selected from the group consisting of corn, peanut, canola/rapeseed, soybean, cucurbits, cotton, rice, sorghum, sugar beet, wheat, barley, rye, sunflower, tomato, sugarcane, tobacco, oats, vegetables, and leaf crops, including transgenic crops. The polymer is selected from the group consisting of polyesters, polycarbonates, co-polymers of styrene, and mixts. thereof.

IT 91465-08-6
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(polymeric film coatings for seed treatment for controlled release of)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 8 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:736025 HCAPLUS
DOCUMENT NUMBER: 137:243433
TITLE: Solid pesticide formulation
INVENTOR(S): Knott, Richard David; Landham, Rowena Roshanti; Van Der Drift, Eric
PATENT ASSIGNEE(S): Syngenta Limited, UK
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002074080	A2	20020926	WO 2002-GB1146	20020313 <--
WO 2002074080	A3	20021107		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002242832	A1	20021003	AU 2002-242832	20020313 <--
EP 1383378	A2	20040128	EP 2002-708469	20020313
EP 1383378	B1	20051123		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002007915	A	20040302	BR 2002-7915	20020313
JP 2004524329	T	20040812	JP 2002-572803	20020313
AT 310389	T	20051215	AT 2002-708469	20020313
ES 2248526	T3	20060316	ES 2002-2708469	20020313
US 2004137030	A1	20040715	US 2004-471704	20040204 <--
US 7015177	B2	20060321		

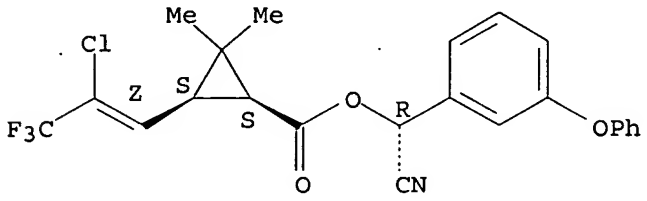
PRIORITY APPLN. INFO.:		
GB 2001-6469	A	20010315
WO 2002-GB1146	W	20020313

AB A solid pesticide formulation is prepared by forming a melt containing at least one pesticide and at least one thermoplastic binder, having a m.p. or glass temperature >35 °C, briquetting the melt by dividing it into drops in a first step and solidifying these drops by cooling in a second step, characterized in that the melt addnl. comprises a liquid nonvolatile solvent for the pesticide.

IT 91465-08-6
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(solid pesticide formulation)
RN 91465-08-6 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 9 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:591558 HCAPLUS
DOCUMENT NUMBER: 137:151337
TITLE: Synergistic insecticidal compositions for genetically-modified legumes expressing delta-endotoxins
INVENTOR(S): Kern, Manfred
PATENT ASSIGNEE(S): Aventis CropScience GmbH, Germany
SOURCE: Ger. Offen., 10 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10104871	A1	20020808	DE 2001-10104871	20010203 <--
WO 2002062144	A2	20020815	WO 2002-EP423	20020117 <--
WO 2002062144	A3	20030109		
W: AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, RU, SG, SI, SK, TJ, TM, TN, TT, UA, US, UZ, VN, YU, ZA, ZM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002242678	A1	20020819	AU 2002-242678	20020117 <--
EP 1367900	A2	20031210	EP 2002-708294	20020117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002006926	A	20040225	BR 2002-6926	20020117
JP 2004517945	T	20040617	JP 2002-562156	20020117
MX 2003PA06934	A	20031118	MX 2003-PA6934	20030801
US 2004078843	A1	20040422	US 2003-470804	20030801 <--

PRIORITY APPLN. INFO.: DE 2001-10104871 A 20010203
WO 2002-EP423 W 20020117

AB The title compns. comprise: (a) organophosphorus insecticides (acephate, azinphosethyl, azinphos-Me, cadusafos, chlorfenvinphos, chlormephos, chlorpyrifos, demeton-S-Me, diazinon, dicrotophos, dimethoate, disulfoton,

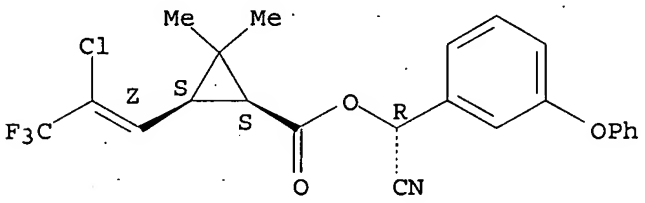
ethion, ethoprophos, etrimfos, fonofos, isazofos, isofenphos, malathion, methamidophos, methidathion, mevinphos, monocrotophos, omethoate, parathion, phenthoate, phorate, phosalone, phosmet, phosphamidon, phoxim, pirimiphos-Me, profenofos, prothiofos, pyridaphenthion, quinalphos, terbufos, tetrachlorvinphos, triazophos); (b) pyrethroids (acrinathrin, allethrin, bifenthrin, cycloprothrin, cyfluthrin, β-cyfluthrin, λ-cyhalothrin, cypermethrin, α-cypermethrin, β-cypermethrin, ζ-cypermethrin, deltamethrin, esfenvalerate, fenpropathrin, fenvalerate, flucythrinate, τ-fluvalinate, permethrin, tefluthrin, tralomethrin, ZXI 8901); (c) carbamate (alanycarb, aldicarb, amitraz, bendiocarb, benfuracarb, butocarboxim, carbaryl, carbofuran, carbosulfan, ethiofencarb, formetanate, isoprocarb, methiocarb, methomyl, oxamyl, pirimicarb, propoxur, thiofanox, thiodicarb, trimethacarb); (d)biopesticides; (e) insect growth regulators; and/or (f) other insecticides.

IT 91465-08-6D, λ-Cyhalothrin, mixts. containing
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(compns. for synergistic insect control in genetically-modified legumes expressing delta-endotoxins)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 10 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:505238 HCAPLUS
DOCUMENT NUMBER: 137:42997
TITLE: Sustained release pest control formulations for protection of structures
INVENTOR(S): Van Voris, Peter; Cataldo, Dominic A.; Lipinsky, Edward J.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 12 pp., Cont.-in-part of U.S. 6,322,803.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002086044	A1	20020704	US 2001-993611	20011127 <--
US 7056522	B2	20060606		
US 6322803	B1	20011127	US 1999-347704	19990703 <--
US 2006127435	A1	20060615	US 2006-344374	20060130 <--
US 2006182776	A1	20060817	US 2006-402339	20060412 <--

PRIORITY APPLN. INFO.: US 1999-347704 A2 19990703
US 2001-993611 A2 20011127
US 2003-698722 A2 20031031

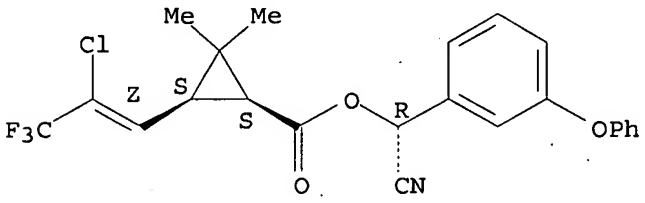
AB A method for applying a barrier to structures to prevent the infiltration of pest species (unwanted organisms) uses a (e.g., coating) composition formed from a polyurethane (e.g., film-forming) polymer system and a pellet comprising a pesticide incorporated into a sorbent and dispersed in the polyurethane polymer system. The composition protects the structure by application either to the structure or to a pathway that leads to the structure. Advantageous polymer systems include polyurethanes rich in urea linkages and predominating in aliphatic and alicyclic backbones.

IT 91465-08-6
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(sustained release pest control formulations for protection of structures containing)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l12 ibib abs hitstr 60-71

L12 ANSWER 60 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:290629 HCAPLUS
DOCUMENT NUMBER: 124:310299
TITLE: Gel agrochemical formulation
INVENTOR(S): Landham, Rowena Roshanthi; Sohm, Rupert Heinrich
PATENT ASSIGNEE(S): Zeneca Limited, UK
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9603871	A1	19960215	WO 1995-GB1604	19950706 <--

W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE,

SN, TD, TG					
CA 2194407	A1	19960215	CA 1995-2194407	19950706	<--
CA 2194407	C	20070410			
AU 9528927	A	19960304	AU 1995-28927	19950706	<--
AU 698583	B2	19981105			
EP 774896	A1	19970528	EP 1995-924427	19950706	<--
EP 774896	B1	20010919			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE					
CN 1154646	A	19970716	CN 1995-194491	19950706	<--
CN 1108098	B	20030514			
HU 77096	A2	19980302	HU 1997-215	19950706	<--
HU 215775	B	19990201			
JP 10503765	T	19980407	JP 1996-506274	19950706	<--
JP 3848363	B2	20061122			
BR 9508506	A	19980526	BR 1995-8506	19950706	<--
RU 2165699	C2	20010427	RU 1997-103186	19950706	<--
AT 205670	T	20011015	AT 1995-924427	19950706	<--
PT 774896	T	20011228	PT 1995-924427	19950706	<--
ES 2164769	T3	20020301	ES 1995-924427	19950706	<--
SK 283472	B6	20030805	SK 1997-143	19950706	
RO 120385	B1	20060130	RO 1997-186	19950706	
ZA 9506040	A	19960227	ZA 1995-6040	19950719	<--
US 6436439	B1	20020820	US 1995-509067	19950731	<--
GR 3036671	T3	20011231	GR 2001-401318	20010920	<--
PRIORITY APPLN. INFO.:			GB 1994-15690 A	19940803	
			GB 1995-9559 A	19950511	
			WO 1995-GB1604 W	19950706	

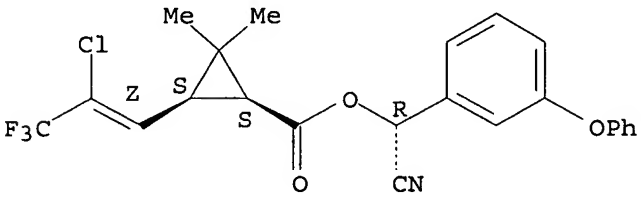
AB A gel formulation was prepared comprising the components: a) an agrochem. (such as a herbicide, insecticide, fungicide, adjuvant, synergist or penetrant); b) a hydrophilic inorg. particulate filler (such as flame hydrolyzed silica) having a surface area of 10-400 m2/g; c) an activator having a polar group capable of interacting with component (b) to produce a gel; and, optionally, d) a diluent.

IT 91465-08-6
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(gel agrochem. formulation of)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 61 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:123902 HCAPLUS
DOCUMENT NUMBER: 124:168295
TITLE: Novel emulsifiable concentrates containing one or more

pesticides.
INVENTOR(S): Henriet, Michel; Taranta, Claude
PATENT ASSIGNEE(S): Hoechst Schering AgrEvo SA, Fr.
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9601047	A1	19960118	WO 1995-FR859	19950628	<--
W: BR, JP, KR, US					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
FR 2721800	A1	19960105	FR 1994-8139	19940701	<--
FR 2721800	B1	19971226			
EP 768817	A1	19970423	EP 1995-924376	19950628	<--
EP 768817	B1	20000315			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE					
AT 190463	T	20000415	AT 1995-924376	19950628	<--
ES 2144618	T3	20000616	ES 1995-924376	19950628	<--
GR 3033245	T3	20000929	GR 2000-400927	20000417	<--
EP 1210877	A1	20020605	EP 2000-126276	20001201	<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
CA 2436199	A1	20020606	CA 2001-2436199	20011123	<--
WO 2002043488	A1	20020606	WO 2001-EP13658	20011123	<--
W: AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN, YU, ZA					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 200234523	A	20020611	AU 2002-34523	20011123	<--
MD 2003000132	A	20030831	MD 2003-132	20011123	
MD 3068	B2	20060630			
EP 1339281	A1	20030903	EP 2001-985335	20011123	
EP 1339281	B1	20040811			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
BR 2001015873	A	20031028	BR 2001-15873	20011123	
HU 200303290	A2	20040128	HU 2003-3290	20011123	
JP 2004514681	T	20040520	JP 2002-545478	20011123	
AT 272941	T	20040815	AT 2001-985335	20011123	
PT 1339281	T	20041029	PT 2001-985335	20011123	
ES 2223935	T3	20050301	ES 2001-1985335	20011123	
RU 2284107	C2	20060927	RU 2003-119547	20011123	
US 2002098221	A1	20020725	US 2001-997043	20011129	<--
ZA 2003003850	A	20040421	ZA 2003-3850	20030519	
BG 107833	A	20040130	BG 2003-107833	20030521	
MX 2003PA04877	A	20050214	MX 2003-PA4877	20030529	
US 2005042245	A1	20050224	US 2004-936238	20040908	<--

PRIORITY APPLN. INFO.:			
FR 1994-8139	A	19940701	
WO 1995-FR859	W	19950628	
EP 2000-126276	A	20001201	
WO 2001-EP13658	W	20011123	
US 2001-997043	B1	20011129	

AB Emulsifiable concs. (CE) contain pesticide(s), a solvent selected from

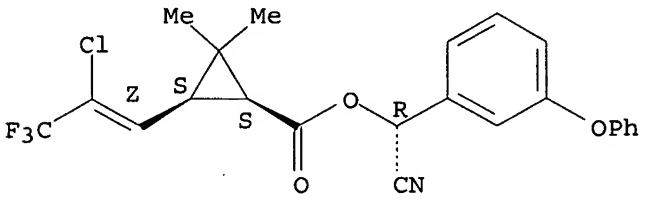
esters, vegetable oils and esters thereof, and an emulsifying surfactant system forming an oil-in-water emulsion when the formulation is added to water. Thus, an emulsion concentrate comprised: deltamethrin 25.38, Me caprylate-Me caprate mixture 663.42, N-octylpyrrolidone 72.00, Ca dodecylbenzenesulfonate mixture with nonionic surfactants 26.00, ethoxylated sorbitan trioleate 124.00, citric acid 0.20, and BHT 1.00 g/L.

IT 91465-08-6
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(emulsifiable concs. of)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 62 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:123901 HCAPLUS
DOCUMENT NUMBER: 124:168294
TITLE: Solid pesticide microspheres.
INVENTOR(S): Lo, Ray Jia; Villafranca, Ernesto Noe
PATENT ASSIGNEE(S): Zeneca Limited, UK
SOURCE: PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9601048	A1	19960118	WO 1995-GB1432	19950619 <--
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ, VN				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5639710	A	19970617	US 1994-271298	19940706 <--
CA 2194389	A1	19960118	CA 1995-2194389	19950619 <--
AU 9527439	A	19960125	AU 1995-27439	19950619 <--
AU 696545	B2	19980910		
EP 768818	A1	19970423	EP 1995-942628	19950619 <--
EP 768818	B1	20011004		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CN 1151678	A	19970611	CN 1995-193983	19950619 <--
BR 9508225	A	19970812	BR 1995-8225	19950619 <--
IL 114210	A	19981227	IL 1995-114210	19950619 <--

HU 78016	A2	19990528	HU 1996-3602		19950619 <--
HU 219740	B	20010730			
RU 2150832	C1	20000620	RU 1997-101462		19950619 <--
AT 206279	T	20011015	AT 1995-942628		19950619 <--
ES 2165439	T3	20020316	ES 1995-942628		19950619 <--
ZA 9505531	A	19960216	ZA 1995-5531		19950704 <--
PRIORITY APPLN. INFO.:			US 1994-271298	A	19940706
			WO 1995-GB1432	W	19950619

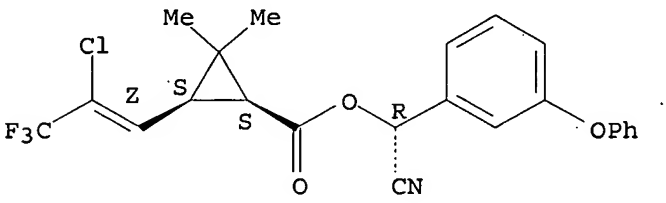
AB Microspheres are produced by mixing a liquid phase containing a pesticide (lambda-cyhalothrin, sulfosate, etc.) and, optionally, an emulsifying agent, with an aqueous phase containing polyvinyl alc. and adding a material selected from clays, silicas, starch derivs., followed by spray drying.

IT 91465-08-6
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(microsphere formulation of)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 63 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:986185 HCAPLUS
DOCUMENT NUMBER: 124:3070
TITLE: Insecticidal paste.
INVENTOR(S): Meinard, Colette; Suglia, Jean-Claude
PATENT ASSIGNEE(S): Hoechst Schering AgrEvo SA, Fr.
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9528082	A1	19951026	WO 1995-FR471	19950412 <--
W: AU, BR, BY, CA, CN, HU, JP, KR, KZ, MX, PL, RO, RU, UA, US, UZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2718610	A1	19951020	FR 1994-4440	19940414 <--
FR 2718610	B1	19960607		
ZA 9502845	A	19960409	ZA 1995-2845	19950406 <--
CA 2187672	A1	19951026	CA 1995-2187672	19950412 <--
AU 9523473	A	19951110	AU 1995-23473	19950412 <--
AU 679372	B2	19970626		
EP 755184	A1	19970129	EP 1995-917381	19950412 <--
EP 755184	B1	19980812		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				

CN 1146135	A	19970326	CN 1995-192567	19950412 <--
HU 75258	A2	19970528	HU 1996-2804	19950412 <--
BR 9507383	A	19970923	BR 1995-7383	19950412 <--
JP 09512001	T	19971202	JP 1995-526761	19950412 <--
AT 169450	T	19980815	AT 1995-917381	19950412 <--
ES 2121378	T3	19981116	ES 1995-917381	19950412 <--
US 5945113	A	19990831	US 1996-718431	19960926 <--
PRIORITY APPLN. INFO.:			FR 1994-4440 A	19940414
			WO 1995-FR471 W	19950412

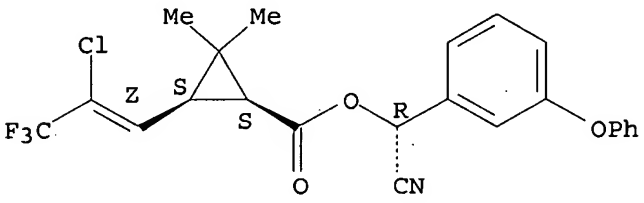
AB A pesticide composition in the form of paste contains 1-80% active substances, preferably a pyrethroid, 0-50% effervescent agents and 0.30-2% micropore-producing agents. A suitable micropore-producing agent is ethylene glycol, with reacts slowly with the effervescent agent, i.e. Na2CO3 plus citric acid. The compns. are for use in agriculture, in the treatment of animals and public and domestic sanitation.

IT 91465-08-6
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(insecticidal paste containing)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 64 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:245553 HCAPLUS
DOCUMENT NUMBER: 120:245553
TITLE: Isomerization process for pyrethroids
INVENTOR(S): Cleugh, Ernest Stephen; Milner, David John
PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK
SOURCE: Brit. UK Pat. Appl., 11 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2262737	A	19930630	GB 1992-25856	19921211 <--
WO 9313053	A2	19930708	WO 1992-GB2323	19921215 <--
WO 9313053	A3	19930805		
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9230932	A	19930728	AU 1992-30932	19921215 <--
AU 679168	B2	19970626		

EP 618896	A1	19941012	EP 1992-924842	19921215 <--
EP 618896	B1	19960911		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07502995	T	19950330	JP 1993-511234	19921215 <--
JP 3490083	B2	20040126		
BR 9206983	A	19951205	BR 1992-6983	19921215 <--
HU 71704	A2	19960129	HU 1994-1811	19921215 <--
HU 214673	B	19980428		
AT 142617	T	19960915	AT 1992-924842	19921215 <--
ES 2091497	T3	19961101	ES 1992-924842	19921215 <--
RO 114125	B1	19990129	RO 1994-1080	19921215 <--
RU 2129536	C1	19990427	RU 1994-31154	19921215 <--
CZ 287245	B6	20001011	CZ 1994-1536	19921215 <--
SK 281750	B6	20010710	SK 1994-760	19921215 <--
CA 2126180	C	20030506	CA 1992-2126180	19921215
ZA 9209971	A	19930707	ZA 1992-9971	19921222 <--
US 5334744	A	19940802	US 1992-995861	19921223 <--
FI 9402989	A	19940621	FI 1994-2989	19940621 <--
FI 114465	B1	20041029		
NO 9402400	A	19940811	NO 1994-2400	19940623 <--
NO 300678	B1	19970707		

PRIORITY APPLN. INFO.:

GB 1991-27355	A	19911224
CS 1994-1536	A	19921215
WO 1992-GB2323	A	19921215

OTHER SOURCE(S): MARPAT 120:245553

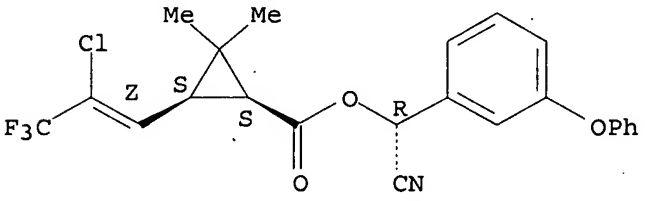
AB A process for obtaining an isomer of a compound of general formula RCH(CN)R' (I), (each of R and R' may be any organic radical linked directly or through a heteroatom to the carbon atom bearing the cyano group provided that at least one of R and R' comprises at least one resolved chiral center) which comprises the step of treating the epimer of the isomer, or the racemate comprising the epimer and the enantiomer of the epimer, in solution in a polar organic solvent, or in slurry in a polar organic liquid diluent in which the epimer or the racemate is partially soluble, with a source of cyanide ions, in the absence of a base, the isomer, or the racemic modification comprising the isomer and its enantiomer, being less soluble in the solvent or diluent than the epimer of the isomer, or the racemate comprising the epimer of the isomer and the enantiomer of the epimer, resp. The compound of formula I may be a pyrethroid, e.g. deltamethrin, acrinathrin, S-fenvalerate or λ-cyhalothrin.

IT 91465-08-6, Lambda-Cyhalothrin
RL: RCT (Reactant); RACT (Reactant or reagent)
(isomerization of)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

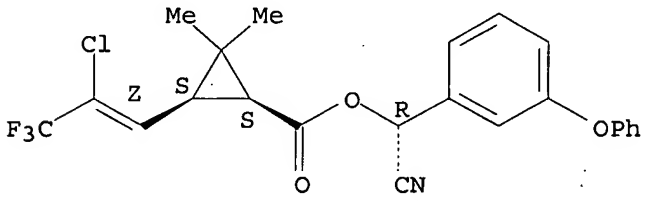


L12 ANSWER 65 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:48134 HCAPLUS
DOCUMENT NUMBER: 120:48134
TITLE: Pyrethroid solutions.
INVENTOR(S): Audegond, Lilian; Lambert, Bernard
PATENT ASSIGNEE(S): Roussel-UCLAF, Fr.
SOURCE: Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 567368	A1	19931027	EP 1993-400923	19930408 <--
EP 567368	B1	19970312		
R: CH, DE, FR, GB, IT, LI, NL				
FR 2689729	A1	19931015	FR 1992-4347	19920409 <--
FR 2689729	B1	19940603		
US 5435992	A	19950725	US 1993-41843	19930402 <--
BR 9301479	A	19931013	BR 1993-1479	19930407 <--
AU 9336778	A	19931014	AU 1993-36778	19930407 <--
AU 665065	B2	19951214		
JP 06009320	A	19940118	JP 1993-103675	19930407 <--

PRIORITY APPLN. INFO.: FR 1992-4347 A 19920409
OTHER SOURCE(S): MARPAT 120:48134
AB Solns. of pyrethroids in optionally-substituted biphenyls Ph2(CHCHMe2)n (n = 0 or 1), such as BVA XK solvents, are nonirritant and have low odor. The solns. are especially suitable for household use.
IT 91465-08-6
RL: BIOL (Biological study)
(solns. of, biphenyl derivative solvents for)
RN 91465-08-6 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 66 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:554036 HCAPLUS
DOCUMENT NUMBER: 119:154036
TITLE: Water-dispersible granules of liquid pesticides.
INVENTOR(S): Lloyd, John Malcolm; Baker, Kevin Ross
PATENT ASSIGNEE(S): ICI Australia Operations Pty. Ltd., Australia
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9314631	A1	19930805	WO 1993-AU32	19930122 <--
W: AU, BR, CA, FI, HU, JP, KP, KR, NO, PL, RO, RU, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
ZA 9300400	A	19930805	ZA 1993-400	19930120 <--
AU 9334437	A	19930901	AU 1993-34437	19930122 <--
AU 669689	B2	19960620		
EP 633722	A1	19950118	EP 1993-903096	19930122 <--
EP 633722	B1	19970604		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07503019	T	19950330	JP 1993-512794	19930122 <--
JP 3174336	B2	20010611		
BR 9305783	A	19970218	BR 1993-5783	19930122 <--
AT 153829	T	19970615	AT 1993-903096	19930122 <--
ES 2102638	T3	19970801	ES 1993-903096	19930122 <--
US 5739081	A	19980414	US 1993-6302	19930122 <--
CA 2128726	C	20020115	CA 1993-2128726	19930122 <--

PRIORITY APPLN. INFO.: NZ 1992-241387 A 19920124
WO 1993-AU32 A 19930122

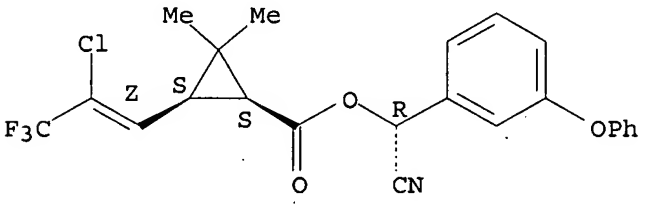
AB Absorbent granules are made from finely-divided fillers, such as heat-processed expanded perlite, talc and/or muscovite, by low-pressure extrusion, followed by gentle rolling or tumbling. Liquid pesticides (fluazifop-P-butyl, λ-cyhalothrin, propargite, etc.) and adjuvants are absorbed by the granules to give the title formulation.

IT 91465-08-6
RL: BIOL (Biological study)
(granules containing, water-dispersible)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 67 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:554027 HCAPLUS
DOCUMENT NUMBER: 119:154027
TITLE: Composition comprising an oxynil derivative and to liquid herbicide or pesticide
INVENTOR(S): Schapira, Joseph; Pecheur, Jacques; Ambrosi, Dominique
PATENT ASSIGNEE(S): C F P I, Fr.
SOURCE: Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 552084	A1	19930721	EP 1993-400048	19930111 <--
EP 552084	B1	20011121		
R: BE, DE, DK, ES, FR, GB, IT				
FR 2685996	A1	19930716	FR 1992-267	19920113 <--
ES 2167327	T3	20020516	ES 1993-400048	19930111 <--
CA 2087226	A1	19930714	CA 1993-2087226	19930113 <--
CA 2087226	C	20030715		
AU 9331191	A	19930715	AU 1993-31191	19930113 <--
AU 669865	B2	19960627		
ZA 9300214	A	19940113	ZA 1993-214	19930113 <--
US 5695773	A	19971209	US 1994-353337	19941205 <--
PRIORITY APPLN. INFO.:			FR 1992-267 A	19920113
			US 1993-2399 B1	19930113

AB A liquid synergistic composition comprises an oxynil herbicide and 2nd liquid herbicide. Liquid compns. may also contain an oxynil herbicide and a pesticide (insecticide, fungicide, etc.). An emulsion concentrate comprising 192 g ioxynil octanoate and 480 g prosulfocarb/L, applied at 0.5 L/ha, synergistically controlled Chenopodium album, Galium aparine and Veronica.

IT 149890-53-9
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(herbicide, synergistic)

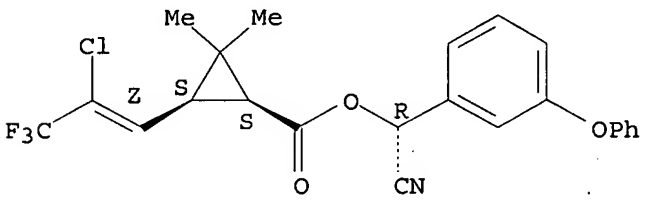
RN 149890-53-9 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester, [1α(S*),3α(Z)]-, mixt. with 4-cyano-2,6-diiodophenyl octanoate (9CI) (CA INDEX NAME)

CM 1

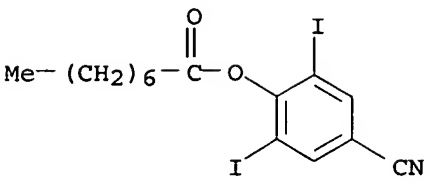
CRN 91465-08-6
CMF C23 H19 Cl F3 N O3

Relative stereochemistry.
Double bond geometry as shown.



CM 2

CRN 3861-47-0
CMF C15 H17 I2 N O2



L12 ANSWER 68 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:202336 HCAPLUS
DOCUMENT NUMBER: 104:202336
TITLE: Insecticidal cyclopropane carboxylic acid ester
INVENTOR(S): Doyle, Peter; Whittle, Alan John
PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK
SOURCE: Brit. UK Pat. Appl., 8 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2161804	A	19860122	GB 1985-15651	19850620 <--
EP 171894	A1	19860219	EP 1985-304415	19850620 <--
EP 171894	B1	19890419		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 42275	T	19890515	AT 1985-304415	19850620 <--
US 4670464	A	19870602	US 1985-749276	19850627 <--
AU 8544293	A	19860123	AU 1985-44293	19850628 <--
AU 593213	B2	19900208		
CA 1263402	A1	19891128	CA 1985-485894	19850628 <--
IL 75689	A	19881130	IL 1985-75689	19850701 <--
HU 39976	A2	19861128	HU 1985-2706	19850715 <--
HU 201454	B	19901128		
BR 8503387	A	19860408	BR 1985-3387	19850716 <--
JP 61036252	A	19860220	JP 1985-157114	19850718 <--
JP 07030005	B	19950405		
ES 545337	A1	19860716	ES 1985-545337	19850718 <--
CN 85105604	A	19870128	CN 1985-105604	19850723 <--
CN 1015362	B	19920205		

PRIORITY APPLN. INFO.:
GB 1984-18331 A 19840718
EP 1985-304415 A 19850620
GB 1985-15651 A 19850620

AB A process is described by which the pair of isomers represented by (R)-α-cyano-4-fluoro-3-phenoxybenzyl (1R,cis)-3-(Z-2-chloro-3,3,3-trifluoroprop-1-en-1-yl)-2,2-dimethylcyclopropane carboxylate and its enantiomer is converted by base-catalyzed epimerization in solution into the insecticidally more useful isomer pair represented by (S)-α-cyano-4-fluoro-3-phenoxylbenzyl (1R,cis)-3-(Z-2-chloro-3,3,3-trifluoroprop-1-en-1-yl)-2,2-dimethylcyclopropanecarboxylate and its enantiomer, which may then be caused to crystallize out from the solution Thus, the isomer pair obtained had higher topical toxicity against tobacco budworm (Heliothis virescens) larvae than the standard Cyhalothrin and Cyfluthrin.

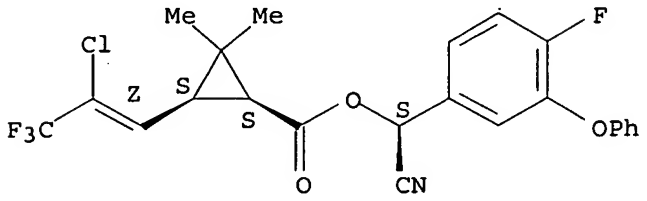
IT 102281-46-9P 102281-47-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 102281-46-9 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-

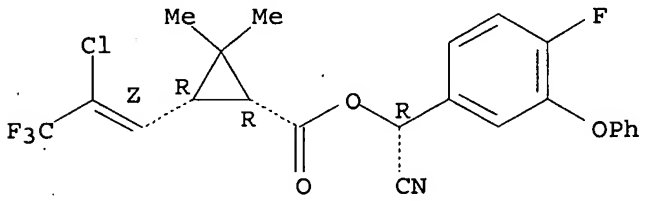
dimethyl-, cyano(4-fluoro-3-phenoxyphenyl)methyl ester, [1S-[1α(R*),3α(Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



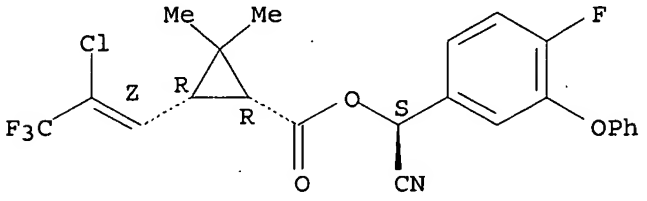
RN 102281-47-0 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-, cyano(4-fluoro-3-phenoxyphenyl)methyl ester, [1R-[1α(R*),3α(Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



IT 102281-48-1P 102281-49-2P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as insecticide)
RN 102281-48-1 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (S)-cyano(4-fluoro-3-phenoxyphenyl)methyl ester, (1R,3R)- (9CI) (CA INDEX NAME)

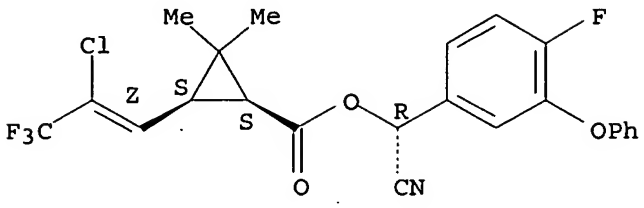
Absolute stereochemistry.
Double bond geometry as shown.



RN 102281-49-2 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-, cyano(4-fluoro-3-phenoxyphenyl)methyl ester, [1S-[1α(S*),3α(Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



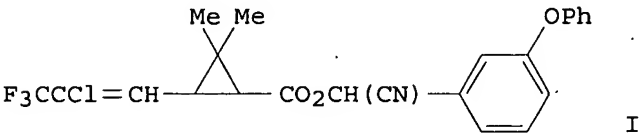
L12 ANSWER 69 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:611500 HCAPLUS
DOCUMENT NUMBER: 101:211500
TITLE: Crystalline enantiomeric mixture, insecticidal and acaricidal compositions.
INVENTOR(S): Robson, Michael John; Crosby, John
PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK
SOURCE: Braz. Pedido PI, 16 pp.
CODEN: BPXXDX
DOCUMENT TYPE: Patent
LANGUAGE: Portuguese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
BR 8305561	A	19840515	BR 1983-5561	19831007	<--
GB 2130199	A	19840531	GB 1983-23361	19830831	<--
ZA 8306964	A	19840530	ZA 1983-6964	19830919	<--
US 4510098	A	19850409	US 1983-535624	19830926	<--
US 4510160	A	19850409	US 1983-535626	19830926	<--
SU 1225483	A3	19860415	SU 1983-3652706	19831010	<--
CS 252465	B2	19870917	CS 1983-7414	19831010	<--
CS 252483	B2	19870917	CS 1985-3453	19850514	<--

PRIORITY APPLN. INFO.:

GB 1982-28983	A	19821011
GB 1983-8507	A	19830328
GB 1983-23361	A	19830831
CS 1983-7414	A3	19831010

GI



I

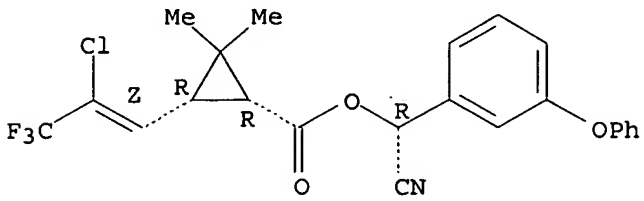
AB The cyclopropanecarboxylate cis,Z-I was separated into 2 pairs of enantiomers by dissolving in hexane, cooling to -5°, seeding with a 1R,cis,αS-I/1S,cis,αR-I mixture, maintaining at -5° for 16 h to precipitate the 1R,cis,αS-I/1S,cis,αR-I racemate with purity of ≥96.3%.

IT 91465-07-5P 91465-08-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 91465-07-5 HCAPLUS

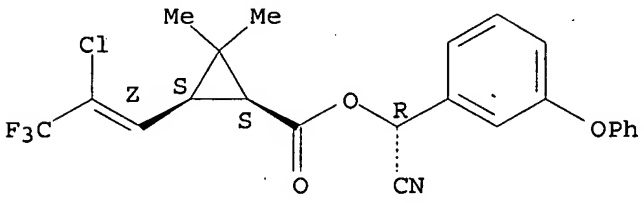
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 91465-08-6 HCAPLUS
CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L12 ANSWER 70 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:511224 HCAPLUS
DOCUMENT NUMBER: 101:111224
TITLE: Insecticidal product
INVENTOR(S): Robson, Michael John
PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 107296	A1	19840502	EP 1983-305006	19830831 <--
EP 107296	B1	19870715		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
GB 2128607	A	19840502	GB 1983-23360	19830831 <--
AT 28324	T	19870815	AT 1983-305006	19830831 <--
AU 8319118	A	19840503	AU 1983-19118	19830914 <--
AU 555545	B2	19861002		
ZA 8306965	A	19840627	ZA 1983-6965	19830919 <--
IL 69775	A	19861130	IL 1983-69775	19830920 <--
US 4512931	A	19850423	US 1983-535625	19830926 <--
CA 1208656	A1	19860729	CA 1983-438485	19831006 <--

DK 8304626	A	19840419	DK 1983-4626		19831007 <--
DK 174170	B1	20020812			
HU 32777	A2	19840928	HU 1983-3475		19831007 <--
HU 192856	B	19870728			
HU 206488	B	19921130	HU 1986-4324		19831007 <--
JP 59088454	A	19840522	JP 1983-188563		19831011 <--
JP 03036828	B	19910603			
ES 526410	A1	19851001	ES 1983-526410		19831011 <--
CS 251767	B2	19870813	CS 1983-7529		19831013 <--
JP 03072451	A	19910327	JP 1990-206925		19900806 <--
PRIORITY APPLN. INFO.:			GB 1982-29724	A	19821018
			EP 1983-305006	A	19830831
			HU 1983-4324	A3	19831007

OTHER SOURCE(S): CASREACT 101:111224

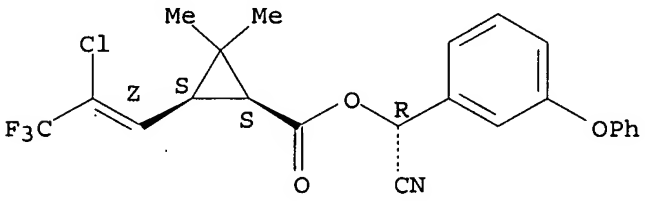
AB The 1R*,cis-acid/S*-alc. enantiomeric pair (I) of cyhalothrin was prepared by base-catalyzed epimerization of tech. cyhalothrin and was separated from the 1R*,cis-acid/R*-alc. enantiomeric pair (II) by crystallization Thus, a mixture of 100 parts cyhalothrin containing 43% I and 57% II, 100 parts Me2CHOH, and 3.5 parts (Me2CH)2NH was stirred at -2° for 3 days, a portion of the reaction mixture was discharged to a filter and a similar volume of the above precooled mixture was added to the reaction mixture This partial discharge and making-up a volume was repeated 7 more times in 3 day intervals. The entire batch was discharged to the filter to give, after drying, a product containing 97% I, the insecticidally more useful enantiomeric pair, which could be purified by recrystn. from C≤6 alkanols.

IT 91465-08-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(epimerization of)

RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

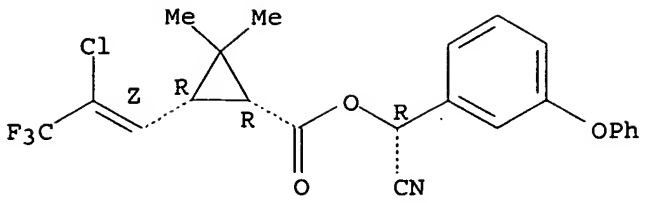


IT 91465-07-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by epimerization of cyhalothrin)

RN 91465-07-5 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



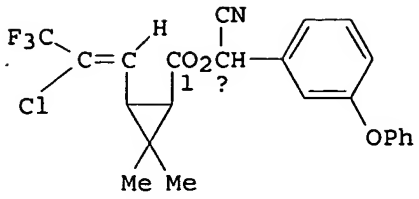
L12 ANSWER 71 OF 71 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:511223 HCAPLUS
DOCUMENT NUMBER: 101:111223
TITLE: Insecticidal product
INVENTOR(S): Robson, Michael John; Crosby, John
PATENT ASSIGNEE(S): Imperial Chemical Industries PLC, UK
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 106469	A1	19840425	EP 1983-305005	19830831	<--
EP 106469	B1	19870114			
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
AT 24894	T	19870115	AT 1983-305005	19830831	<--
AU 8319117	A	19840419	AU 1983-19117	19830914	<--
AU 555544	B2	19861002			
ZA 8306964	A	19840530	ZA 1983-6964	19830919	<--
IL 69774	A	19870130	IL 1983-69774	19830920	<--
US 4510098	A	19850409	US 1983-535624	19830926	<--
US 4510160	A	19850409	US 1983-535626	19830926	<--
CA 1212686	A1	19861014	CA 1983-438482	19831006	<--
DK 8304625	A	19840412	DK 1983-4625	19831007	<--
DK 174188	B1	20020826			
HU 32778	A2	19840928	HU 1983-3476	19831007	<--
HU 193185	B	19870828			
SU 1225483	A3	19860415	SU 1983-3652706	19831010	<--
CS 252465	B2	19870917	CS 1983-7414	19831010	<--
JP 59088455	A	19840522	JP 1983-188564	19831011	<--
JP 03037541	B	19910605			
ES 526409	A1	19850416	ES 1983-526409	19831011	<--
CS 252483	B2	19870917	CS 1985-3453	19850514	<--
JP 03072452	A	19910327	JP 1990-206926	19900806	<--
JP 06060146	B	19940810			

PRIORITY APPLN. INFO.:

GB 1982-28983	A	19821011
GB 1983-8507	A	19830328
EP 1983-305005	A	19830831
CS 1983-7414	A3	19831010

OTHER SOURCE(S): MARPAT 101:111223
GI



I

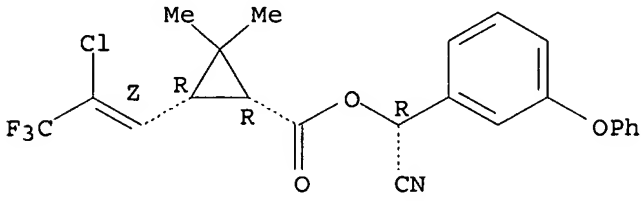
AB Crystalline insecticidal (Z)-cis-cyhalothrin isomers (±)-(1R*,αR*)- and (±)-(1R*,αS*)-I were obtained. Thus, high performance liquid chromatog. using a Waters Assocs. System 500 apparatus fitted with a PrepPAK-500 silica column and Et2O/petroleum ether (b.p.40-60°) as the eluent at 0.2 L/min gave as the first fraction (±)-(1R*,αR*)-I and as the second fraction (±)-(1R*,αS*)-I as identified by 1H NMR.

IT 91465-07-5 91465-08-6
RL: PROC (Process)
(separation of, from diastereomers by high performance liquid chromatog.)

RN 91465-07-5 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (9CI) (CA INDEX NAME)

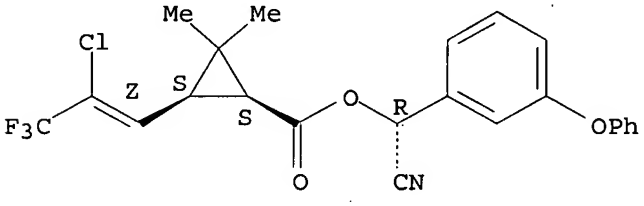
Relative stereochemistry.
Double bond geometry as shown.



RN 91465-08-6 HCAPLUS

CN Cyclopropanecarboxylic acid, 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-, (R)-cyano(3-phenoxyphenyl)methyl ester, (1R,3R)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



=> LOG Y
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST	193.62	540.28
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-26.52	-26.52

STN INTERNATIONAL LOGOFF AT 11:13:41 ON 23 AUG 2007